

Title (en)

Torque variation absorbing device.

Title (de)

Torsionsschwankungen aufnehmende Vorrichtung.

Title (fr)

Dispositif d'absorption de variations de couple.

Publication

**EP 0170950 A1 19860212 (EN)**

Application

**EP 85109006 A 19850718**

Priority

- JP 10829184 U 19840719
- JP 10829284 U 19840719
- JP 10829384 U 19840719

Abstract (en)

The torque variation absorbing device comprises a driving plate (2), a flywheel (6), and a spring mechanism (12), a damping and torque limiting mechanism (15) and a hysteresis mechanism (18) installed between the driving plate (2) and the flywheel (6). The flywheel (6) is divided into a flywheel body (6a) and a driven plate (6b) which are connected together by a bolt (10) screwed into a bolt hole (23) in the flywheel body (6a) and the driven plate (6b). The bolt hole (23) provided in the driven plate (6b) extends through the driven plate (6b) up to a sliding friction plane between the hysteresis mechanism (18) and the driven plate (6b). The dust generated by the friction of the hysteresis mechanism (18) can be collected into the bolt hole (23).

IPC 1-7

**F16F 15/12**; **F16D 13/70**

IPC 8 full level

**F16D 47/00** (2006.01); **F16F 15/131** (2006.01)

CPC (source: EP US)

**F16D 47/00** (2013.01 - EP US); **F16F 15/13164** (2013.01 - EP US)

Citation (search report)

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- [X] DE 2926012 A1 19801002 - TOYOTA MOTOR CO LTD
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- [XP] AUTOMOTIVE ENGINEERING, vol. 93, no. 1, January 1985, page 85, Dallas, Texas, US; J.YAMAGUCHI: "Flywheel damper reduces low speed diesel noise and vibrations"
- [AD] PATENTS ABSTRACTS OF JAPAN, vol. 4, no. 53 (M-8)[535], 19th April 1980, page 63 M 8; & JP - A - 55 20 930 (AISHIN SEIKI K.K.) 14-02-19890

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0294856 A2 19881214**; **EP 0294856 A3 19890322**; **EP 0294856 B1 19921230**; DE 3571265 D1 19890803; DE 3586953 D1 19930211; DE 3586953 T2 19930429; EP 0170950 A1 19860212; EP 0170950 B1 19890628; US 4663983 A 19870512

DOCDB simple family (application)

**EP 88110304 A 19850718**; DE 3571265 T 19850718; DE 3586953 T 19850718; EP 85109006 A 19850718; US 75590085 A 19850717